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Water Quality Summary Report No. 33

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# 1998 Follow-up Studies to Ground Water Contamination Detections

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Idaho Department of Health and Welfare  
Division of Environmental Quality  
July 1999

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Table B2 1998 Follow-up Data

7/16/99

Study Area	Well Location	Well #	Date Sampled	County	Well Depth	Water Use	Water Temp
Black Canyon	07N01W31BAA	BC1	8/27/98	Gem	64	domestic	15.40
Black Canyon	07N01W27BCB1	statewide well	8/11/94	Gem	94	domestic	16.10
Bruneau	06S05E22DDCD	B1	9/29/98	Owyhee	500	business	24.40
Bruneau	06S05E26BBB1	statewide well	8/6/97	Owyhee	205	shop	19.00
Bruneau	06S05E26BBCA-Dup	B2	6/24/98	Owyhee	340	fire prevention	26.30
Bruneau	06S05E26BBCA	B2	6/24/98	Owyhee	340	fire prevention	26.30
Dry Creek	04N01E03ABBB	D4	6/23/98	Ada	74	domestic	14.30
Dry Creek	05N01E34DCBC	D2	6/11/98	Ada	90	domestic	14.40
Dry Creek	05N01E34DBAD	D3	6/11/98	Ada	55	domestic	13.00
Dry Creek	05N01E34DCD1	statewide well	8/6/95	Ada	54	domestic	13.70
Dry Creek	05N01E34DCBB	D1	6/11/98	Ada	70	domestic	13.80
Dry Creek	05N01E34DCAD	D6	7/14/98	Ada	104	domestic	14.20
Dry Creek	05N01E34DADD	D5	7/14/98	Ada	35	domestic	14.20
Garden Valley	08N05E06DDC1	statewide well	7/22/97	Boise	153	domestic	22.20
Garden Valley	08N05E09CBA	GV2	8/26/98	Boise	200	domestic	13.60
Garden Valley	09N05E10CAB	GV1	8/26/98	Boise	60	domestic	10.60
Garden Valley	09N04E26DBB	GV3	8/26/98	Boise	425	domestic	16.70
Homedale	03N05W28BAD1	H2	7/22/98	Owyhee	275	domestic	17.90
Homedale	03N05W28BAD2	H1	7/22/98	Owyhee	90	domestic	15.20
Homedale	03N05W28ABC	H3	6/23/98	Owyhee	34	stock/house	16.20
Homedale	03N05W28ACB1	statewide well	9/13/94	Owyhee	30	stock	15.10
Homedale/Adrian	03N06W01BCB	HA1	6/23/98	Owyhee	410	domestic	20.40
Homedale/Adrian	04N06W35DBC	HA3	6/23/98	Owyhee	unknown	domestic	16.50
Homedale/Adrian	04N06W35DCC1	statewide well	9/12/94	Owyhee	310	domestic/stock	18.20
Homedale/Adrian	03N06W02ABBB	HA4	7/22/98	Owyhee	80	domestic	12.90
Homedale/Adrian	04N06W36BCBB	HA2	7/22/98	Owyhee	255	domestic	17.00
Horseshoe Bend	07N02E23CAC2	HB3	9/23/98	Boise	300	domestic	16.60
Horseshoe Bend	07N02E23BBB	HB2	9/23/98	Boise	270	domestic	16.80
Horseshoe Bend	07N02E23CAC3	HB1	9/23/98	Boise	250	domestic	16.60
Horseshoe Bend	07N02E23CAC1	statewide well	8/15/96	Boise	392	domestic	17.70
Lake Lowell	02N03W06BAB	L2	8/25/98	Canyon	244	domestic	17.10
Lake Lowell	02N03W06CAB	L1	9/24/98	Canyon	190	domestic	19.20
Lake Lowell	02N03W06DBA1	statewide well	8/20/97	Canyon	247	domestic/stock	16.20

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pH	Sp Cond	Dissolved O2	Air Temp	Nitrate	Sulfate	Arsenic	Zinc	Fluoride
7.21	265.00	5.03	23.8	1.52		< 10.00		
6.80	331.00			< 0.005	61.000	58.00	11.00	
7.03	1396.00	0.90	17.1	3.33	319.000	28.00	256.00	
7.10	4450.00		35	16.3	2100.000	12.00	5130.00	
8.45	610.00	0.18		< 0.005	48.900	< 10.00	< 5.00	
8.45	610.00	0.18		1.62	48.800	< 10.00	< 5.00	
6.39	652.00	0.22	27.4	< 0.005				
6.86	416.00	0.96	22.5	< 0.005				
6.43	631.00	3.56	17.9	3.32				
7.04	926.00			11	140.000	14.00	< 5.00	
5.58	656.00	0.91	22.5	2.49				
7.02	544.00	0.13	23.6	< 0.005				
7.02	544.00	0.13	26.3	4.06				
8.70	292.00			0.703	20.000	3.00	6.90	7.50
8.61	207.00	4.34	23.3					2.57
6.70	169.00	6.95	24.6					0.13
7.88	249.00	0.98	22.2					5.27
7.09	1710.00	2.15	27.4	6.05	442.000	54.00		
6.91	1938.00	0.66	27.4	12	569.000	62.00		
6.69	1056.00	5.07	30.4	1.67		105.00		
7.40	871.00			2.2	100.000	58.00	6.00	
7.17	2080.00	0.20	28.2	4.11	601.000	< 10.00		
6.41	2040.00	3.89	28.2	3.89	1473.000	50.00		
6.90	2037.00			15	620.000	11.00	560.00	
7.72	937.00	7.38	50	16	441.000	22.00		
7.07	1840.00	5.45	34.5	1.49	272.000	25.00		
9.22	388.00	0.77	15.8					4.19
8.90	730.00	0.25	19.8					14.60
9.45	482.00	0.28	17.2					3.15
9.31	620.00			0.06	86.000	4.00	8.00	11.00
7.56	583.00	8.32	24.1	2.06		39.00		
7.29	878.00	0.47	22.4	0.511		50.00		
7.60	606.00			3.59	110.000	58.00	98.60	



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[illegible]

Probable Cont Cause
contaminants of concern not a problem in this well
unknown, wells in close proximity unavailable for sampling
contaminants of concern not a problem in this well
site specific problem, probably well construction
contaminants of concern not a problem in this well
contaminants of concern not a problem in this well
contaminants of concern not a problem in this well
contaminants of concern not a problem in this well
contaminants of concern not a problem in this well
site specific problem
contaminants of concern not a problem in this well
contaminants of concern not a problem in this well
contaminants of concern not a problem in this well
probably naturally occurring, geothermal water influence
contaminants of concern not a problem in this well
contaminants of concern not a problem in this well
probably naturally occurring, geothermal water influence
probably naturally occurring, additional information necessary
probably naturally occurring, additional information necessary
probably naturally occurring, additional information necessary
probably naturally occurring, additional information necessary
unknown, wide range of nitrate, arsenic and sulfate w/in this study (1 mile area
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Study Area	Well Location	Well #	Date Sampled	County	Well Depth	Water Use	Water Temp
Mountain Home	04S06E13AAB2	MH1	7/15/98	Elmore	190	irrigation	14.40
Mountain Home	04S06E13AAA	statewide well	7/15/98	Elmore	79	unused	13.80
Mountain Home	04S06E13DBC	MH2	7/15/98	Elmore	460	domestic	20.30
Mountain Home	04S06E13AAB1	MH4	7/15/98	Elmore	147	domestic	14.00
Mountain Home	04S06E13AAA-Dup	statewide well	7/15/98	Elmore	79	unused	13.80
Mountain Home	04S06E13DAB-2	MH3	7/15/98	Elmore	463	domestic	20.30
Mountain Home	04S06E13DAB	MH3	6/24/98	Elmore	463	domestic	20.00
Mountain Home	04S06E13ADD	MH5	7/15/98	Elmore	475	domestic	19.90
Mountain Home	04S06E13ADA	MH6	7/15/98	Elmore	unknown	domestic	13.30
N. Marsing	03N04W15DCB	NM1	8/6/98	Canyon	120	domestic	16.30
N. Marsing	03N04W15DDA	NM2	8/6/98	Canyon	108	domestic	17.60
N. Marsing	03N04W22AAA1	NM3	8/7/98	Canyon	98	domestic	16.30
N. Marsing	03N04W22AAA2	NM4	8/7/98	Canyon	110	domestic	17.00
N. Marsing	03N04W22AAA2-Dup	NM4	8/7/98	Canyon	110	domestic	17.00
N. Marsing	03N04W15DCB-Dup	NM1	8/6/98	Canyon	120	domestic	16.30
N. Marsing	03N04W15DCC1	statewide well	9/22/93	Canyon	80	domestic	16.20
N. Nampa	04N02W27BDD	NN1	8/18/98	Canyon	101	domestic	13.50
N. Nampa	04N02W27AAB1	statewide well	8/5/97	Canyon	95	domestic	14.60
N. Nampa	04N02W27BBC	NN2	9/24/98	Canyon	100	domestic	13.60
S. Marsing	02N04W26CCD1	statewide well	9/13/93	Owyhee	450	domestic	16.50
S. Wilder	03N05W03ADA1	statewide well	9/20/94	Canyon	55	industrial	15.60
S. Wilder	03N05W03DBB	SW1	8/18/98	Canyon	145	domestic	17.60
W. Caldwell	03N04W03BBB	WC2	8/25/98	Canyon	102	domestic	14.30
W. Caldwell	03N04W03AAD1	statewide well	8/15/95	Canyon	78	irrigation	15.80
W. Caldwell	03N04W03CDD	WC1	8/18/98	Canyon	50	domestic	14.00
W. Caldwell	03N04W03CDD-Dup	WC1	8/18/98	Canyon	50	domestic	14.00
W. Wilder	04N05W21AAD	WW1	8/25/98	Canyon	210	domestic	16.80
W. Wilder	04N05W21AAB2	statewide well	8/11/97	Canyon	220	domestic	17.70
W. Wilder	04N05W21DAA	WW2	7/21/98	Canyon	200	domestic	17.00
W. Wilder	04N05W21AABA	WW3	7/21/98	Canyon	187	domestic	16.90
W. Wilder	04N05W21DBB	WW4	7/21/98	Canyon	255	domestic	18.70

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7/16/99

pH	Sp Cond	Dissolved O2	Air Temp	Nitrate	Sulfate	Arsenic	Zinc	Fluoride
7.73	1042.00	10.80		9.2	170.000			
7.48	1996.00	7.60		40	577.000			
8.18	617.00	9.50		3.33	58.700			
7.68	1065.00	11.20		8.07	191.000			
7.48	1996.00	7.60		34.5	563.000			
8.29	338.00	8.42	30.4	1.51	31.000			
7.90	353.00	9.48	30.4	0.013	33.200			
8.14	340.00	10.31	32.3	1.46	30.700			
7.60	707.00	9.39	36.4	7.64	85.000			
7.52	744.00	5.92	34.5	6.01		30.00		
7.59	518.00	7.17	30.3	1.17		68.00		
7.26	823.00	6.59	30.9	4.97		21.00		
7.39	756.00	1.78	34.4	1.98		21.00		
7.39	756.00	1.78	34.4	2		21.00		
7.52	744.00	5.92	34.5	5.9		29.00		
7.60	710.00			2.4	97.000	85.00	36.00	
7.10	559.00	8.43	27.9	2.7				
7.10	895.00			17.2	98.000	< 10.00	< 5.00	
7.15	298.00	5.07	19.1	1.05				
7.10	2950.00			39	720.000	41.00	190.00	
7.58	763.00					50.00		
7.56	796.00	0.17	21.9	< 0.005		21.00		
7.62	643.00	7.35	31.6	14.3		31.00		
7.56	690.00			14	47.000	120.00	35.00	
7.64	809.00	7.50	30	30.1		13.00		
7.64	809.00	7.50	30	30		12.00		
7.34	390.00	7.61	21.9	2.05		70.00		
7.70	358.00			1.69	25.000	46.00	68.90	
7.38	999.00	5.97	34.5	2.68		37.00		
7.79	462.00	7.90	25.3	1.2		58.00		
7.71	608.00	0.23	29.7	< 0.005		< 10.00		



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7/16/99

[illegible]



Probable Cont Cause
elevated nitrate levels in the shallow water bearing zone
elevated nitrate levels in the shallow water bearing zone
contaminants of concern not a problem in this well
elevated nitrate levels in the shallow water bearing zone
elevated nitrate levels in the shallow water bearing zone
contaminants of concern not a problem in this well
contaminants of concern not a problem in this well
contaminants of concern not a problem in this well
elevated nitrate levels in the shallow water bearing zone
contaminants of concern not a problem in this well
probably naturally occurring, additional information necessary
contaminants of concern not a problem in this well
contaminants of concern not a problem in this well
contaminants of concern not a problem in this well
contaminants of concern not a problem in this well
probably naturally occurring, additional information necessary
contaminants of concern not a problem in this well
site specific problem
contaminants of concern not a problem in this well
unknown, no response from well owners in order to conduct study
unknown, no response from well owners close by - no problem w/ well sample
contaminants of concern not a problem in this well
unknown, high levels of nitrate throughout the study area
unknown, high levels of nitrate and arsenic
unknown, high levels of nitrate throughout the study area
unknown, high levels of nitrate throughout the study area
probably naturally occurring, additional information necessary
probably naturally occurring, additional information necessary
probably naturally occurring, additional information necessary
probably naturally occurring, additional information necessary
contaminants of concern not a problem in this well